

### ABSTRACT OF THE INVENTION

A system and methods for automatic digital certificate installation on network devices in a data-over-cable network are developed. One of the methods includes sending a digital certificate request from a cable modem to a predetermined network server upon determining on the cable modem that there is no digital certificate already installed on the cable modem. The method further includes generating at least one digital certificate on the network server and providing the at least one digital certificate to the cable modem.

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